Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

Bill Type: 2nd & Final Bill

Date.....2023

Zone: BBMP,Yelahanka

Division: BBMP, Byatarayanapura

Sub-Division: Vidyaranyapura

Bill Received No. Dated Divisional

Cash Book Voucher No.....Dated.....

Sub-Divisional

Job Code: 009-22-000011

Schedule Docket No. Head of Account: P01901, Works Sanctioned by Hon. Mayor Est.Cost: Rs. 96.00 Lakhs INDENT NO.: 51696

Name of Work : Improvements to Roads and Drains at Yerappa Garden in Ward No. 09 (Vidyaranyapura).

Name of Contractor and Full Address: M/s. K. R Constructions, Prop: C. Mahesh, No. 286, 7th B Cross, Jakkur Layout, Bangalore.

Reference to Agreement No. BBMP/EE/BTP/WO/55/2022-23 Date: 29-06-2022

Certified that the measurements were taken by me on: 28-04-23 and recorded of Pages 126 to 126 of measurement Book No. 1265/13-14 and that work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that measurement were taken by me on 12/05/2023 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sub-Division Officer

1) Total value of work done or supplies made as per account within 2nd & Final bill

2) Deduct amount to be held in reserve being.....Percent Rs.....

3) " Balance

4) Deduct Payment:

a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....

adjusted towards cash advance recovery of

b) Payments cost store or other material supplied.

Now made recovery of amount creditable to this /other work

Amount paid on this bill Cheque/Cash.

5) Balance being unpaid value of work done held in reserve.

6) Deduct cash advance made on the Office cash Book Voucher No.....

dated .....less adjustments.

Total Amount Adjusted -

7) Net amount due to or from Contractor unadjustments items.

8) Advance to Contractor for materials brought to site (as detailed) within

9) Value of Government materials supplied.

Total	9843035	=00
Previous	6672020	=00
Present	3171015	=00
QT	31711	=00
CGST	26873	=00
SGST	26873	=00
L.C	31711	=00
CBF	31711	=00
LR	14700	=00
TD	303597	6=00
	3035976	=00

Received Rs.....(in words)... Contractor's Signature

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1
2

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Head of Account.....P-01901 (3873)

Bill Passed for Rs.....3171015=00

Statutory Deductions Rs.....135039=00.....By Adjustment

Net Amount Paid Rs.....3035976=00.....By NEFT/RTGS

CW 06/06/23

6/6/23

Account Superintendent
Byatarayanapura Division
BBMP

6/6

Executive Engineer
Byatarayanapura Division
BBMP

Sl. No.		
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete and as per the directions of the Engineer-in-charge of the work .	Cu
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) Dismantling Stone Masonry B Rubble stone masonry in cement mortar. and as per the directions of the Engineer-in-charge of the work .	Cu
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and as per the directions of the Engineer-in-charge of the work .	Cum
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. and as per the directions of the Engineer-in-charge of the work .	Cum
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. and as per the directions of the Engineer-in-charge of the work .	Cum
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the directions of the Engineer-in-charge of the work .	tonn e
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.and as per the directions of the Engineer-in-charge of the work .	Sqm
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,and as per the directions of the Engineer-in-charge of the work .	Sqm
9	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth.and as per the directions of the Engineer-in-charge of the work .	Cum
10	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.and as per the directions of the Engineer-in-charge of the work .	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
5.04	4255.32	0.00	844.31	0.00	5.04	4255.32	
9.48	5266.71	0.00	555.56	0.00	9.48	5266.71	
584.91	125656.22	0.00	214.83	0.00	584.91	125656.22	
71.18	472888.60	0.00	6643.56	0.00	71.18	472888.60	
139.06	1055042.66	0.00	7586.96	0.00	139.06	1055042.66	
8.92	1064557.40	0.00	119345.00	0.00	8.92	1064557.40	
893.43	2192343.21	0.00	2453.85	0.00	893.43	2192343.21	
48.24	274432.54	0.00	5688.90	0.00	48.24	274432.54	
180.03	13516.65	0.00	75.08	0.00	180.03	13516.65	
514.38	3436.06	0.00	6.68	0.00	514.38	3436.06	

Sl. No.		
11	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriageof mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete and as per the directions of the Engineer-in-charge of the work .	
12	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density and as per the directions of the Engineer-in-charge of the work .	
13	KSRRB 500-1.Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications. (As per the derection of the incharge)	
14	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 (As per the derection of the incharge)	
15	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects (As per the derection of the incharge)	
16	KSRRB 500-2.Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. (As per the derection of the incharge)	
17	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503 (As per the derection of the incharge)	
18	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (As per the derection of the incharge)	
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803 (As per the derection of the incharge)	
20	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification No. 202 (As per the derection of the incharge)	

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
77.16	209164.56	0.00	2710.79	0.00	77.16	209164.56	
128.60	355588.00	178.64	2765.07	493952.00	307.24	849540.00	
0.00	0.00	1262.02	22.26	28093.00	1262.02	28093.00	
0.00	0.00	1262.02	48.40	61082.00	1262.02	61082.00	
0.00	0.00	63.10	11421.80	720716.00	63.10	720716.00	
0.00	0.00	1262.02	5.30	6689.00	1262.02	6689.00	
0.00	0.00	1262.02	16.50	20823.00	1262.02	20823.00	
0.00	0.00	50.48	13318.31	672308.00	50.48	672308.00	
0.00	0.00	50.10	552.09	27660.00	50.10	27660.00	
0.00	0.00	64.47	487.41	31423.00	64.47	31423.00	

Sl. No.		
21	Construction of Dry Lean Cement Concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. MORTH Specification No. 601 (As per the derection of the incharge)	
22	Providing and constructing un-reinforced plain Cement Concrete Pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 . as per the directions of the Engineer-in-charge of the work. (As per the derection of the incharge)	
23	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge. MORTH Specification No. 602.6.3 (As per the derection of the incharge)	
24	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (approx. 25% larger than the initial 3 mm.to 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8mm.wide). MORTH Specification No. 602.6.3 (As per the derection of the incharge)	
25	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. and as per the directions of the Engineer-in-charge of the work .	
26	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km and as per the directions of the Engineer-in-charge of the work .	
		Sub Total
		for Previous Bill Consider GST @ 12% and For Present Bill Consider GST @ 18%
		Grand Total

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
0.00	0.00	48.36	4846.38	234371.00	48.36	234371.00	
0.00	0.00	48.36	7896.74	381886.00	48.36	381886.00	
0.00	0.00	32.10	77.00	2472.00	32.10	2472.00	
0.00	0.00	32.10	181.50	5826.00	32.10	5826.00	
764.94	62266.12	0.00	81.40	0.00	764.94	62266.12	
979.12	118747.67	0.00	121.28	0.00	979.12	118747.67	
	5957161.71			**2687301.00**		**8644462.71**	
	714859.00			**483714.00**		**1198573.00**	
	6672020.71			**3171015.00**		**9843035.71**	

AB-09

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97